

* * * * * Welcome to STN International * * * * *

<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>		"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	May 12	EXTEND option available in structure searching
<u>NEWS 4</u>	May 12	Polymer links for the POLYLINK command completed in REGISTRY
<u>NEWS 5</u>	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAPlus
<u>NEWS 6</u>	May 27	CAPlus super roles and document types searchable in REGISTRY
<u>NEWS 7</u>	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
<u>NEWS 8</u>	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
<u>NEWS 9</u>	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
<u>NEWS 10</u>	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
<u>NEWS 11</u>	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
<u>NEWS 12</u>	AUG 02	CAPlus and CA patent records enhanced with European and Japan Patent Office Classifications
<u>NEWS 13</u>	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
<u>NEWS 14</u>	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
<u>NEWS 15</u>	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
<u>NEWS 16</u>	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
<u>NEWS 17</u>	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
<u>NEWS 18</u>	SEP 01	INPADOC: New family current-awareness alert (SDI) available
<u>NEWS 19</u>	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
<u>NEWS 20</u>	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
<u>NEWS 21</u>	SEP 14	STN Patent Forum to be held October 13, 2004, in Iselin, NJ
<u>NEWS EXPRESS</u>	JULY 30	CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
<u>NEWS HOURS</u>		STN Operating Hours Plus Help Desk Availability
<u>NEWS INTER</u>		General Internet Information
<u>NEWS LOGIN</u>		Welcome Banner and News Items
<u>NEWS PHONE</u>		Direct Dial and Telecommunication Network Access to STN
<u>NEWS WWW</u>		CAS World Wide Web Site (general information)

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* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 10:29:37 ON 16 SEP 2004

=> file req

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION

h eb c g cg b cg

eb

FULL ESTIMATED COST 0.21 0.21

FILE 'REGISTRY' ENTERED AT 10:29:42 ON 16 SEP 2004
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STRUCTURE FILE UPDATES: 14 SEP 2004 HIGHEST RN 744786-72-9
 DICTIONARY FILE UPDATES: 14 SEP 2004 HIGHEST RN 744786-72-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

Please note that search-term pricing does apply when
 conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
 information enter HELP PROP at an arrow prompt in the file or refer
 to the file summary sheet on the web at:
<http://www.cas.org/ONLINE/DBSS/registryss.html>

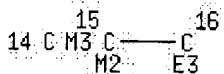
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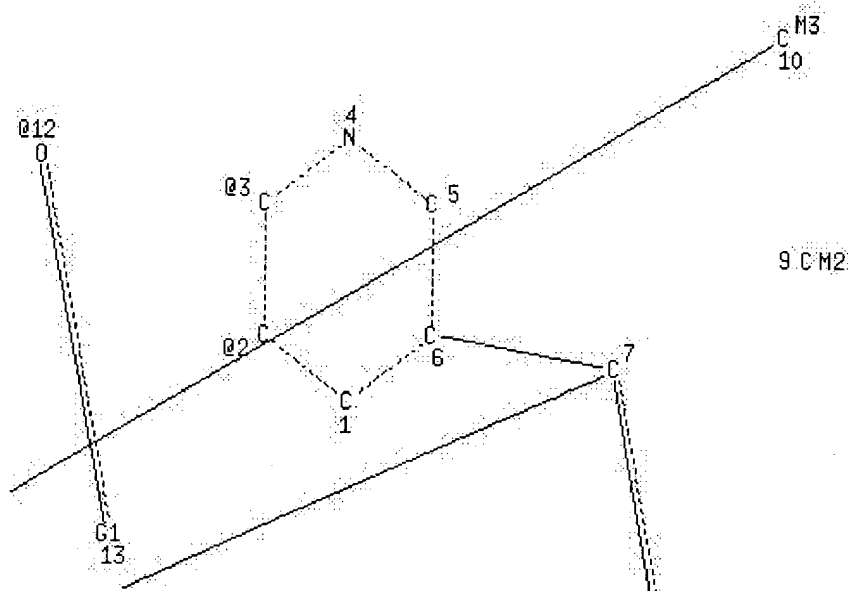
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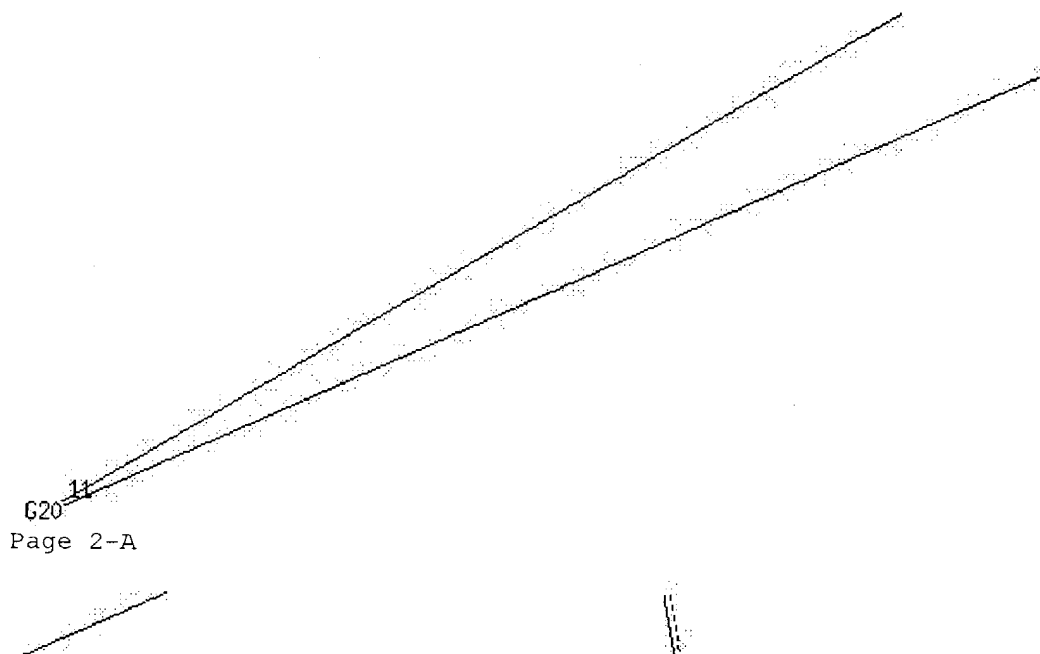
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L1 STR





Page 1-B



Page 2-A

N 8
M2

Page 2-B

VAR G1=14/15

REP G20=(0-2) 9-7 9-10

VPA 12-2/3 S

NODE ATTRIBUTES:

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HCOUNT	IS	M2	AT	9
HCOUNT	IS	M3	AT	10
HCOUNT	IS	M3	AT	14
HCOUNT	IS	M2	AT	15
HCOUNT	IS	E3	AT	16
NSPEC	IS	R	AT	1
NSPEC	IS	R	AT	2

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 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
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 NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

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FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
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 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

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 FULL SCREEN SEARCH COMPLETED - 18068 TO ITERATE

100.0% PROCESSED 18068 ITERATIONS 15 ANSWERS
 SEARCH TIME: 00.00.01

L3 15 SEA SSS FUL L1

=> file hcaplus
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SINCE FILE	TOTAL
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FILE 'HCAPLUS' ENTERED AT 10:30:26 ON 16 SEP 2004
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FILE COVERS 1907 - 16 Sep 2004 VOL 141 ISS 12
FILE LAST UPDATED: 15 Sep 2004 (20040915/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 4 L3

=> d 14, ibib abs fhitstr, 1-4

L4 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

ACCESSION NUMBER: 2004:515480 HCAPLUS

DOCUMENT NUMBER: 141:71440

TITLE: Preparation of pyrrolylureas as antivirals, particularly for use against cytomegaloviruses.

INVENTOR(S): Zimmermann, Holger; Brueckner, David; Heimbach, Dirk; Henninger, Kerstin; Hewlett, Guy; Rosentreter, Ulrich; Schohe-Loop, Rudolf; Baumeister, Judith; Schmidt, Thorsten; Reefschlaeger, Juergen; Lang, Dieter; Lin, Tse-i; Radtke, Martin

PATENT ASSIGNEE(S): Bayer Healthcare Ag, Germany

SOURCE: PCT Int. Appl., 108 pp.

CODEN: PIXXD2

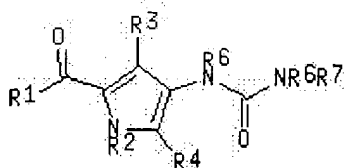
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052852	A1	20040624	WO 2003-EP13278	20031126
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ			
RW:	BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG			
DE 10257358	A1	20040708	DE 2002-10257358	20021209
PRIORITY APPLN. INFO.:			DE 2002-10257358	A 20021209
OTHER SOURCE(S):	MARPAT 141:71440			
GI				



I

AB Title compds. [I; R1 = OR8, NR9R10; R2 = H, (substituted) alkyl, aryl; R3-R6 = H, alkyl; R7 = 3-12 membered (substituted) carbocyclyl; R8, R9 = H, (substituted) alkyl; R10 = H, (substituted) alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; NR9R10 = 4-8 membered (substituted) heterocyclyl], were prepd. Thus, Et 4-nitro-1H-pyrrole-2-carboxylate (prepn. given) was stirred with Raney Ni and aq. N2H4 in THF for 30 min; the resulting residue in Me2SO was treated with carbonyldiimidazole and then with (+)-bornylamine followed by stirring for 1 h to give 49% Et 4-[[[[(1R,2S,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl]amino]carbonyl]amino]-1H-pyrrole-2-carboxylate. Tested I showed EC50 = 1.9-86 nM against HCMV in vitro.

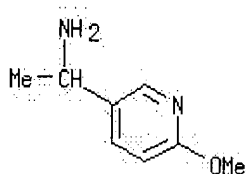
IT 579515-25-6, [1-(6-Methoxypyridin-3-yl)ethyl]amine

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of pyrrolylureas as antivirals)

RN 579515-25-6 HCAPLUS

CN 3-Pyridinemethanamine, 6-methoxy-.alpha.-methyl- (9CI) (CA INDEX NAME)



L4 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full
Text

SHED
References

ACCESSION NUMBER: 2003:633474 HCAPLUS
DOCUMENT NUMBER: 139:180083
TITLE: Preparation of quinoxalinones as M2-acetylcholine agonists for the treatment of cardiovascular diseases
INVENTOR(S): Ergueden, Jens-Kerim; Kolkhof, Peter; Castro-Palomino, Julio; Kuhl, Alexander; Kast, Raimund; Stasch, Johannes-Peter; Tinel, Hanna; Muentner, Klaus; Lustig, Klemens; Pernerstorfer, Josef; Bechem, Martin; Hueser, Joerg
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 103 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003066057	A1	20030814	WO 2003-EP782	20030127
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RU, TJ, TM

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NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
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DE 10205219

A1 20030821

DE 2002-10205219

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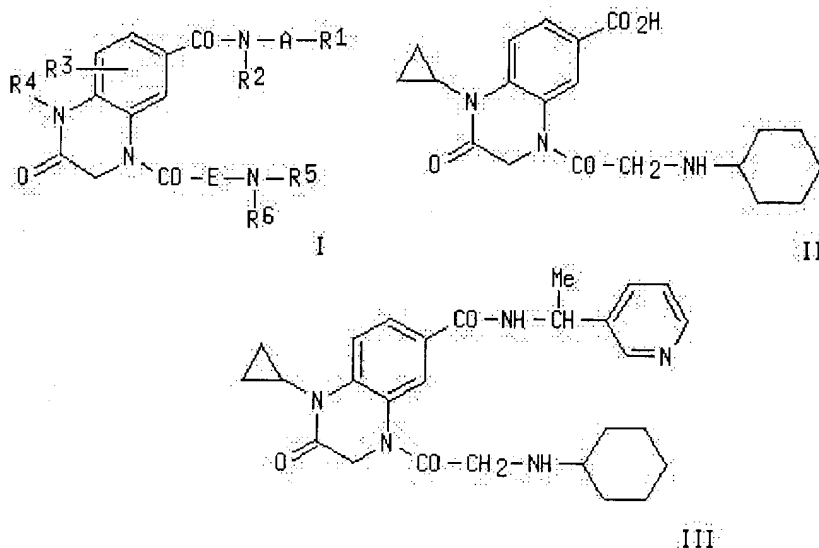
DE 2002-10205219

A 20020208

OTHER SOURCE(S):

MARPAT 139:180083

GI



AB Title compds. I [R1 = (un)substituted heteroaryl, e.g., halo, OH, NH₂, etc.; A = (CH₂)₁₋₆ with OH substitution; E = (CH₂)₁₋₆; R2 = H, alkyl, cycloalkyl; R3 = H, halo, alkyl, etc.; R4 = (un)substituted alkyl, cycloalkyl; R5 = H, alkyl, cycloalkyl; R6 = alkyl, heterocyclic, aryl, etc.] and their pharmaceutically acceptable salts were prepd. Of note is the formation of the quinoxalinone ring via the condensation-cyclization of 1,2-benzenediamines and chloroacetyl chloride. For example, coupling of acid II, e.g., prepd. from 4-fluoro-3-nitrobenzoic acid in 6-steps, and α-methyl-3-pyridinemethanamine afforded quinoxalinone III. In human M2-acetylcholine receptor agonists assays, 10-examples of compds. I exhibited IC₅₀ values ranging from 5-1800 nM, e.g., the IC₅₀ value of quinoxalinone III was 37 nM. Compds. I are claimed useful for the treatment of cardiovascular diseases.

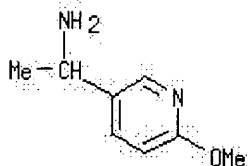
IT 579515-25-6

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of quinoxalinones as M2-acetylcholine agonists for the treatment of cardiovascular diseases)

RN 579515-25-6 HCAPLUS

CN 3-Pyridinemethanamine, 6-methoxy-α-methyl- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text Citing References

ACCESSION NUMBER: 2003:570748 HCAPLUS
 DOCUMENT NUMBER: 139:133475
 TITLE: Preparation of acridones as inhibitors of inosine monophosphate dehydrogenase (IMPDH) useful against psoriasis, transplant rejection and rheumatoid arthritis
 INVENTOR(S): Iwanowicz, Edwin J.; Watterson, Scott H.; Chen, Ping; Dhar, T. G. Murali; Gu, Henry H.; Zhao, Yufen
 PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
 SOURCE: PCT Int. Appl., 314 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003059269	A2	20030724	WO 2002-US41530	20021220
WO 2003059269	A3	20031231		

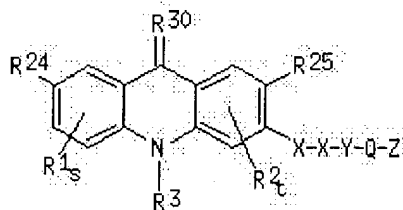
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 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

US 2003181497	A1	20030925	US 2002-325009	20021220
US 2004053955	A1	20040318	US 2002-324306	20021220
			US 2001-343234P	P 20011221

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): MARPAT 139:133475

GI



I

AB Acridones (shown as I; variables defined below; e.g. N-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-1-methylethyl]-9,10-dihydro-9-oxo-3-acridinecarboxamide) and their inhibition of inosine monophosphate dehydrogenase are claimed. For I: R3 = H, OH and NH2; R30 = O and S; W is -C(O)-, -S(O)-, or -S(O)2-; or W may be -CH2- if X is -C(O)-; X = -CH2-, -N(R4)-, and -O-, except that when W is -CH2-, X is -C(O)-; Y is a bond or -C(R40)(R45)-; Q is a linker; Z is (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, or heterocyclyl; addnl. details are given in the claims. The authors state that I are capable of inhibiting IMPDH at a measurable level, but no values are given. Although the methods of prepn. are not claimed, many example prepn. and characterization data for >400 examples of I are included.

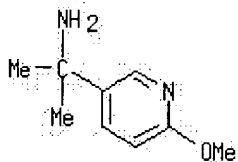
IT 566161-84-0, [1-(6-Methoxypyridin-3-yl)-1-methylethyl]amine

RL: RCT (Reactant); RACT (Reactant or reagent)

(prepn. of acridones as inhibitors of inosine monophosphate dehydrogenase useful against psoriasis, transplant rejection and rheumatoid arthritis)

RN 566161-84-0 HCAPLUS

CN 3-Pyridinemethanamine, 6-methoxy- α,α -dimethyl- (9CI) (CA INDEX NAME)



L4 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full
Text

References

ACCESSION NUMBER: 2000:628131 HCAPLUS
DOCUMENT NUMBER: 133:222747
TITLE: Preparation of piperazine derivatives as antitumor agents
INVENTOR(S): Cho, Eui-Hwan; Chung, Sun-Gan; Lee, Sun-Hwan; Kwon, Ho-Seok; Kang, Dong-Wook; Joo, Jeong-Ho; Lee, Young-Hee
PATENT ASSIGNEE(S): Samjin Pharmaceutical Co., Ltd., S. Korea
SOURCE: PCT Int. Appl., 123 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000052001	A1	20000908	WO 2000-KR164	20000303
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KR 2000060059	A	20001016	KR 1999-8088	19990311
KR 2000061873	A	20001025	KR 1999-11254	19990331
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EP 1075469	A1	20010214	EP 2000-908085	20000303
EP 1075469	B1	20040526		

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AU 763030	B2	20030710	AU 2000-29461	20000303
EP 1424072	A1	20040602	EP 2003-78792	20000303

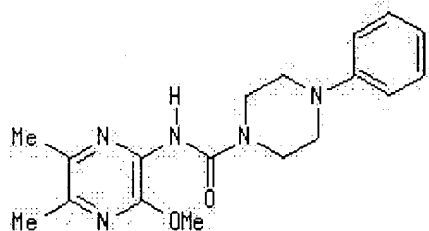
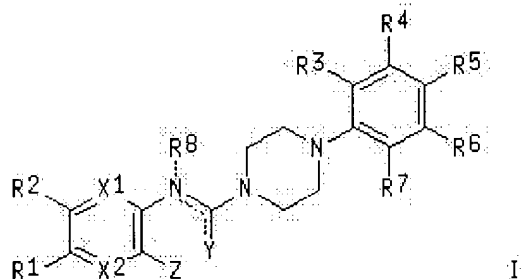
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US 6683184	B2	20040127		

PRIORITY APPLN. INFO.:

KR 1999-6890	A	19990303
KR 1999-7266	A	19990305
KR 1999-8088	A	19990311
KR 1999-11254	A	19990331
EP 2000-908085	A3	20000303
WO 2000-KR164	W	20000303
US 2001-674686	B1	20010530

OTHER SOURCE(S): MARPAT 133:222747
GI



AB The title compds. [I; R1, R2 = H, alkyl, alkylcarboxyl, etc.; R1 and R2 are fused to form C3-4 unsatd. ring; R3-R7 = H, halo, OH, etc.; R8 = alkyl; Y = O, S, (un)substituted NH2, thioalkyl; Z = alkoxy, alkyl, alkylamino, thioalkoxy; X1, X2 = C, N] which have strong antitumor activities and very low toxicity, were prepd. Thus, treatment of 3-amino-5,6-dimethyl-2-methoxypyrazine with Ph chloroformate in CH2Cl2 followed by reacting the resulting carbamate with 1-phenylpiperazine in the presence of DBU in THF afforded the piperazine II. Antitumor activities (data given) of the compds. I were tested in vitro against 5 kinds of human tumor cell lines and a leukemia tumor cell line.

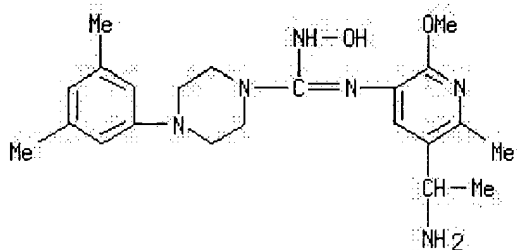
IT 291511-61-OP

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use);

BIOL (Biological study); PREP (Preparation); USES (Uses)
 (prepn. of piperazine derivs. as antitumor agents)

RN 291511-61-0 HCAPLUS

CN 1-Piperazinecarboximidamide, N-[5-(1-aminoethyl)-2-methoxy-6-methyl-3-pyridinyl]-4-(3,5-dimethylphenyl)-N'-hydroxy- (9CI) (CA INDEX NAME)



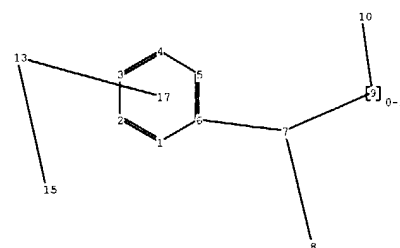
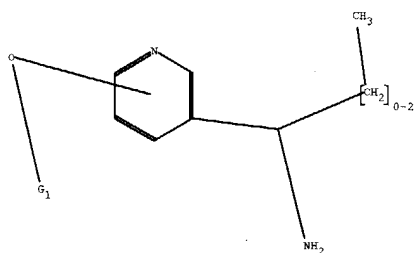
REFERENCE COUNT:

2

THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS
 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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chain nodes :

7 8 9 10 13 15

ring nodes :

1 2 3 4 5 6

chain bonds :

6-7 7-8 7-9 9-10 13-15

ring bonds :

1-2 1-6 2-3 3-4 4-5 5-6

exact/norm bonds :

7-8 13-15

exact bonds :

6-7 7-9 9-10

normalized bonds :

1-2 1-6 2-3 3-4 4-5 5-6

isolated ring systems :

containing 1 :

G1:CH3,Et

Match level :

1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
13:CLASS 15:CLASS 17:CLASS

* * * * * Welcome to STN International * * * * *

<u>NEWS 1</u>		Web Page URLs for STN Seminar Schedule - N. America
<u>NEWS 2</u>		"Ask CAS" for self-help around the clock
<u>NEWS 3</u>	May 12	EXTEND option available in structure searching
<u>NEWS 4</u>	May 12	Polymer links for the POLYLINK command completed in REGISTRY
<u>NEWS 5</u>	May 27	New UPM (Update Code Maximum) field for more efficient patent SDIs in CAplus
<u>NEWS 6</u>	May 27	CAplus super roles and document types searchable in REGISTRY
<u>NEWS 7</u>	Jun 28	Additional enzyme-catalyzed reactions added to CASREACT
<u>NEWS 8</u>	Jun 28	ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG, and WATER from CSA now available on STN(R)
<u>NEWS 9</u>	Jul 12	BEILSTEIN enhanced with new display and select options, resulting in a closer connection to BABS
<u>NEWS 10</u>	Jul 30	BEILSTEIN on STN workshop to be held August 24 in conjunction with the 228th ACS National Meeting
<u>NEWS 11</u>	AUG 02	IFIPAT/IFIUDB/IFICDB reloaded with new search and display fields
<u>NEWS 12</u>	AUG 02	CAplus and CA patent records enhanced with European and Japan Patent Office Classifications
<u>NEWS 13</u>	AUG 02	STN User Update to be held August 22 in conjunction with the 228th ACS National Meeting
<u>NEWS 14</u>	AUG 02	The Analysis Edition of STN Express with Discover! (Version 7.01 for Windows) now available
<u>NEWS 15</u>	AUG 04	Pricing for the Save Answers for SciFinder Wizard within STN Express with Discover! will change September 1, 2004
<u>NEWS 16</u>	AUG 27	BIOCOMMERCE: Changes and enhancements to content coverage
<u>NEWS 17</u>	AUG 27	BIOTECHABS/BIOTECHDS: Two new display fields added for legal status data from INPADOC
<u>NEWS 18</u>	SEP 01	INPADOC: New family current-awareness alert (SDI) available
<u>NEWS 19</u>	SEP 01	New pricing for the Save Answers for SciFinder Wizard within STN Express with Discover!
<u>NEWS 20</u>	SEP 01	New display format, HITSTR, available in WPIDS/WPINDEX/WPIX
<u>NEWS 21</u>	SEP 14	STN Patent Forum to be held October 13, 2004, in Iselin, NJ
<u>NEWS EXPRESS</u>	JULY 30	CURRENT WINDOWS VERSION IS V7.01, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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<u>NEWS LOGIN</u>		Welcome Banner and News Items
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STRUCTURE FILE UPDATES: 14 SEP 2004 HIGHEST RN 744786-72-9
 DICTIONARY FILE UPDATES: 14 SEP 2004 HIGHEST RN 744786-72-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more
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<http://www.cas.org/ONLINE/DBSS/registryss.html>

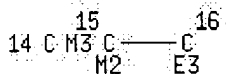
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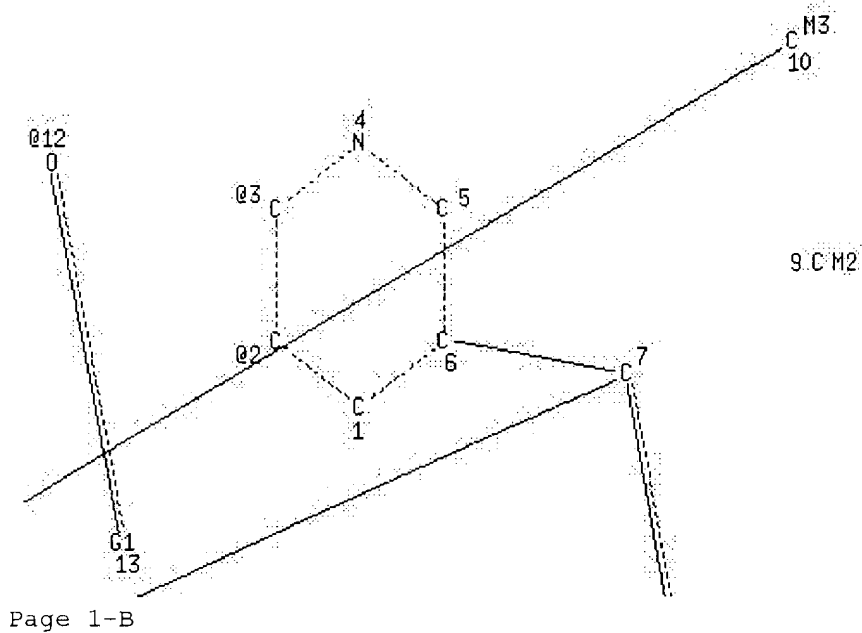
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L1 HAS NO ANSWERS

L1 STR





Page 1-B

G20 11
Page 2-A

N 8
M2

Page 2-B
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 REP G20=(0-2) 9-7 9-10
 VPA 12-2/3 S
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 HCOUNT IS M2 AT 9
 HCOUNT IS M3 AT 10
 HCOUNT IS M3 AT 14
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 HCOUNT IS E3 AT 16
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 DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:

RSPEC I

NUMBER OF NODES IS 16

STEREO ATTRIBUTES: NONE

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0 ANSWERS

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 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 15878 TO 19442
 PROJECTED ANSWERS: 0 TO 0

L2 0 SEA SSS SAM L1

=> \$ 11 full

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100.0% PROCESSED 18068 ITERATIONS
 SEARCH TIME: 00.00.01

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L3 15 SEA SSS FUL L1

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FILE COVERS 1907 - 16 Sep 2004 VOL 141 ISS 12
FILE LAST UPDATED: 15 Sep 2004 (20040915/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s 13

L4 4 L3

=> s 14 and brandel, j?/au

95 BRENDEL, J?/AU

L5 0 L4 AND BRENDEL, J?/AU

=> s 14 and goegelein, h?/au

64 GOEGELEIN, H?/AU

L6 0 L4 AND GOEGELEIN, H?/AU

=> s 14 and wirth, k?/au

204 WIRTH, K?/AU

L7 0 L4 AND WIRTH, K?/AU

=> s 14 and kuezal, g?/au

0 KUEZEL, G?/AU

L8 0 L4 AND KUEZEL, G?/AU

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L4 ANSWER 1 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

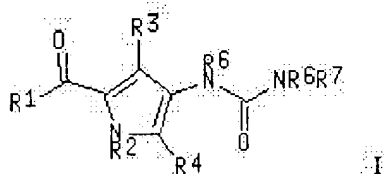
Full Text References

ACCESSION NUMBER: 2004:515480 HCAPLUS
DOCUMENT NUMBER: 141:71440
TITLE: Preparation of pyrrolylureas as antivirals, particularly for use against cytomegaloviruses.
INVENTOR(S): Zimmermann, Holger; Brueckner, David; Heimbach, Dirk; Henninger, Kerstin; Hewlett, Guy; Rosentreter, Ulrich; Schohe-Loop, Rudolf; Baumeister, Judith; Schmidt, Thorsten; Reefschlaeger, Juergen; Lang, Dieter; Lin, Tse-i; Radtke, Martin
PATENT ASSIGNEE(S): Bayer Healthcare Ag, Germany
SOURCE: PCT Int. Appl., 108 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004052852	A1	20040624	WO 2003-EP13278	20031126
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH,				

CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ
 RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

DE 10257358 A1 20040708 DE 2002-10257358 20021209
 PRIORITY APPLN. INFO.: DE 2002-10257358 A 20021209
 OTHER SOURCE(S): MARPAT 141:71440
 GI



AB Title compds. [I; R1 = OR8, NR9R10; R2 = H, (substituted) alkyl, aryl; R3-R6 = H, alkyl; R7 = 3-12 membered (substituted) carbocyclyl; R8, R9 = H, (substituted) alkyl; R10 = H, (substituted) alkyl, cycloalkyl, heterocyclyl, aryl, heteroaryl; NR9R10 = 4-8 membered (substituted) heterocyclyl], were prepd. Thus, Et 4-nitro-1H-pyrrole-2-carboxylate (prepn. given) was stirred with Raney Ni and aq. N2H4 in THF for 30 min; the resulting residue in Me2SO was treated with carbonyldiimidazole and then with (+)-bornylamine followed by stirring for 1 h to give 49% Et 4-[[[(1R,2S,4R)-1,7,7-trimethylbicyclo[2.2.1]hept-2-yl]amino]carbonyl]amino]-1H-pyrrole-2-carboxylate. Tested I showed EC50 = 1.9-86 nM against HCMV in vitro.

L4 ANSWER 2 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full
Text

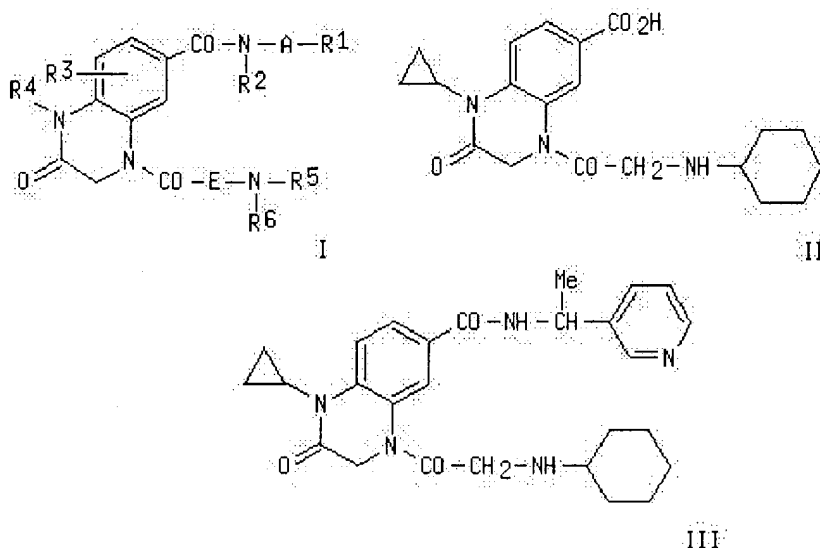
Chemical
References

ACCESSION NUMBER: 2003:633474 HCAPLUS
 DOCUMENT NUMBER: 139:180083
 TITLE: Preparation of quinoxalinones as M2-acetylcholine agonists for the treatment of cardiovascular diseases
 INVENTOR(S): Ergueden, Jens-Kerim; Kolkhof, Peter; Castro-Palomino, Julio; Kuhl, Alexander; Kast, Raimund; Stasch, Johannes-Peter; Tinel, Hanna; Muentner, Klaus; Lustig, Klemens; Pernerstorfer, Josef; Bechem, Martin; Hueser, Joerg
 PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 103 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003066057	A1	20030814	WO 2003-EP782	20030127
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,				

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
 LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
 PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
 UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD,
 RU, TJ, TM
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
 CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC,
 NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
 ML, MR, NE, SN, TD, TG

DE 10205219 A1 20030821 DE 2002-10205219 20020208
 PRIORITY APPLN. INFO.: DE 2002-10205219 A 20020208
 OTHER SOURCE(S): MARPAT 139:180083
 GI



AB Title compds. I [R1 = (un)substituted heteroaryl, e.g., halo, OH, NH₂, etc.; A = (CH₂)₁₋₆ with OH substitution; E = (CH₂)₁₋₆; R2 = H, alkyl, cycloalkyl; R3 = H, halo, alkyl, etc.; R4 = (un)substituted alkyl, cycloalkyl; R5 = H, alkyl, cycloalkyl; R6 = alkyl, heterocyclic, aryl, etc.] and their pharmaceutically acceptable salts were prepd. Of note is the formation of the quinoxalinone ring via the condensation-cyclization of 1,2-benzenediamines and chloroacetyl chloride. For example, coupling of acid II, e.g., prepd. from 4-fluoro-3-nitrobenzoic acid in 6-steps, and α-methyl-3-pyridinemethanamine afforded quinoxalinone III. In human M2-acetylcholine receptor agonists assays, 10-examples of compds. I exhibited IC₅₀ values ranging from 5-1800 nM, e.g., the IC₅₀ value of quinoxalinone III was 37 nM. Compds. I are claimed useful for the treatment of cardiovascular diseases.

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

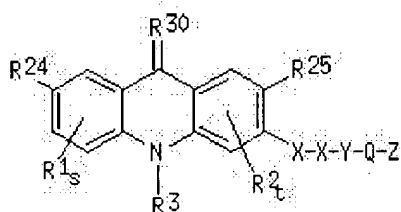
Full Text References

ACCESSION NUMBER: 2003:570748 HCAPLUS
 DOCUMENT NUMBER: 139:133475
 TITLE: Preparation of acridones as inhibitors of inosine monophosphate dehydrogenase (IMPDH) useful against psoriasis, transplant rejection and rheumatoid arthritis

INVENTOR(S): Iwanowicz, Edwin J.; Watterson, Scott H.; Chen, Ping;
 Dhar, T. G. Murali; Gu, Henry H.; Zhao, Yufen
 PATENT ASSIGNEE(S): Bristol-Myers Squibb Company, USA
 SOURCE: PCT Int. Appl., 314 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003059269	A2	20030724	WO 2002-US41530	20021220
WO 2003059269	A3	20031231		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG US 2003181497 A1 20030925 US 2002-325009 20021220 US 2004053955 A1 20040318 US 2002-324306 20021220 PRIORITY APPLN. INFO.: US 2001-343234P P 20011221				

OTHER SOURCE(S): MARPAT 139:133475
 GI



AB Acridones (shown as I; variables defined below; e.g. N-[1-[4-[2-(dimethylamino)ethoxy]phenyl]-1-methylethyl]-9,10-dihydro-9-oxo-3-acridinecarboxamide) and their inhibition of inosine monophosphate dehydrogenase are claimed. For I: R3 = H, OH and NH2; R30 = O and S; W is -C(O)-, -S(O)-, or -S(O)2-; or W may be -CH2- if X is -C(O)-; X = -CH2-, -N(R4)-, and -O-, except that when W is -CH2-, X is -C(O)-; Y is a bond or -C(R40)(R45)-; Q is a linker; Z is (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, or heterocyclyl; addnl. details are given in the claims. The authors state that I are capable of inhibiting IMPDH at a measurable level, but no values are given. Although the methods of prepn. are not claimed, many example prepn. and characterization data for >400 examples of I are included.

L4 ANSWER 4 OF 4 HCAPLUS COPYRIGHT 2004 ACS on STN

Full Text
 Citations
 References

ACCESSION NUMBER: 2000:628131 HCAPLUS
 DOCUMENT NUMBER: 133:222747

TITLE: Preparation of piperazine derivatives as antitumor agents

INVENTOR(S): Cho, Eui-Hwan; Chung, Sun-Gan; Lee, Sun-Hwan; Kwon, Ho-Seok; Kang, Dong-Wook; Joo, Jeong-Ho; Lee, Young-Hee

PATENT ASSIGNEE(S): Samjin Pharmaceutical Co., Ltd., S. Korea

SOURCE: PCT Int. Appl., 123 pp.
CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

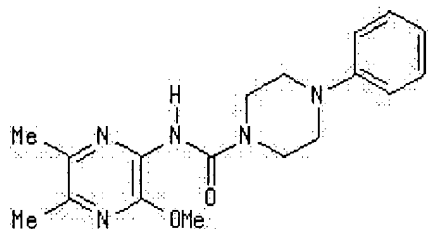
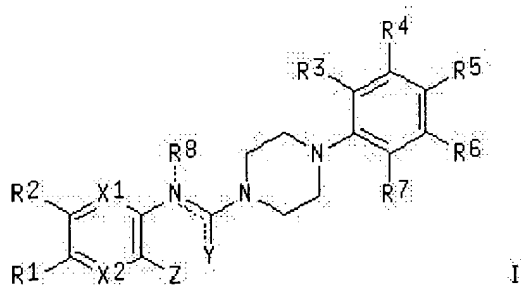
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<u>WO 2000052001</u>	A1	20000908	<u>WO 2000-KR164</u>	20000303
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<u>KR 2000059356</u>	A	20001005	<u>KR 1999-6890</u>	19990303
<u>KR 2000059570</u>	A	20001005	<u>KR 1999-7266</u>	19990305
<u>KR 2000060059</u>	A	20001016	<u>KR 1999-8088</u>	19990311
<u>KR 2000061873</u>	A	20001025	<u>KR 1999-11254</u>	19990331
<u>CA 2330942</u>	AA	20000908	<u>CA 2000-2330942</u>	20000303
<u>EP 1075469</u>	A1	20010214	<u>EP 2000-908085</u>	20000303
<u>EP 1075469</u>	B1	20040526		
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<u>JP 3422486</u>	B2	20030630		
<u>AU 763030</u>	B2	20030710	<u>AU 2000-29461</u>	20000303
<u>EP 1424072</u>	A1	20040602	<u>EP 2003-78792</u>	20000303
R: CH, DE, FR, GB, IT, LI, SE				
<u>US 2003092910</u>	A1	20030515	<u>US 2002-105936</u>	20020326
<u>US 6683184</u>	B2	20040127		

PRIORITY APPLN. INFO.:

<u>KR 1999-6890</u>	A	19990303
<u>KR 1999-7266</u>	A	19990305
<u>KR 1999-8088</u>	A	19990311
<u>KR 1999-11254</u>	A	19990331
<u>EP 2000-908085</u>	A3	20000303
<u>WO 2000-KR164</u>	W	20000303
<u>US 2001-674686</u>	B1	20010530

OTHER SOURCE(S): MARPAT 133:222747

GI



AB The title compds. [I; R1, R2 = H, alkyl, alkylcarboxyl, etc.; R1 and R2 are fused to form C3-4 unsatd. ring; R3-R7 = H, halo, OH, etc.; R8 = alkyl; Y = O, S, (un)substituted NH2, thioalkyl; Z = alkoxy, alkyl, alkylamino, thioalkoxy; X1, X2 = C, N] which have strong antitumor activities and very low toxicity, were prepd. Thus, treatment of 3-amino-5,6-dimethyl-2-methoxypyrazine with Ph chloroformate in CH2Cl2 followed by reacting the resulting carbamate with 1-phenylpiperazine in the presence of DBU in THF afforded the piperazine II. Antitumor activities (data given) of the compds. I were tested in vitro against 5 kinds of human tumor cell lines and a leukemia tumor cell line.

REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-2.80	-2.80

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FILE COVERS 1907-1966
 FILE LAST UPDATED: 01 May 1997 (19970501/UP)

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FILE 'REGISTRY' ENTERED AT 10:14:53 ON 16 SEP 2004

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L3 15 S L1 FULL

FILE 'HCAPLUS' ENTERED AT 10:17:19 ON 16 SEP 2004

L4 4 S L3

L5 0 S L4 AND BRENDDEL, J?/AU

L6 0 S L4 AND GOEGELEIN, H?/AU

L7 0 S L4 AND WIRTH, K?/AU

L8 0 S L4 AND KUEZEL, G?/AU

FILE 'CAOLD' ENTERED AT 10:23:59 ON 16 SEP 2004

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L9 0 L3

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